**Section A**

1. Joule – Newton meter – kg.m.m/s.s
2. Watt – Joule/sec
3. m/s
4. m
5. kg.m/s - Newton second
6. Joule
7. m/s.s
8. Newton kg.m/s.s
9. Newton second – kg.m/s
10. Joule

**Section B**

1. Net
2. Kinetic
3. Tension
4. Momentum
5. Force

**Section C**

1. False
2. True
3. False
4. True
5. False

**Section D**

1. d
2. d
3. c
4. d
5. c
6. c
7. c
8. c
9. b
10. b
11. b
12. b

**Section E**

1. 9.16 m/s
2. 33.735 m/s or 33.736 m/s
3. 7.2 Ns
4. Vix(horizontal) = 20 m/s; Viy(vertical) = 34.641 m/s
5. 1000 N
6. 90000 J

Tie-breakers: **Section E** : 4, 2, 5, 6